

PERFORMANCE SPECIFICATION SHEET

MICROPHONE ASSEMBLY, M-138/G

This amendment forms part of MIL-PRF-26542/10B; dated 30 May 1997, and is approved for use by all Departments and Agencies of the Department of Defense.

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Figure 2: Add the following:

Frequency points	300 Hz	600 Hz	1,400 Hz	2,300 Hz	3,000 Hz	3,500 Hz	7,000 Hz
Upper limits (dB)	+4.0	+4.0	+4.0	+7.0	+7.0	+7.0	+1.0
Lower limits(dB)	-16.0	-4.0	-4.0	-4.0	-4.0	-----	-----

FIGURE 2. Frequency response.

Cable assembly: Delete and substitute:

"The cable assembly shall be Part Identifying Number (PIN) M22442/38-1 in accordance with either requirement 1/ for interface to oxygen gear, interchangeability, and environmental performance. The microphone element shall provide a complete electrical and mechanical interface with the cable assembly.

1/ NOTE: The manufacturer may meet the requirements of MIL-DTL-22442 in accordance with options specified in MIL-PRF-26542 for 'Cable assemblies."

Frequency response at ground level: Add the following:

"The response curves generated shall be on the same scale as shown in figure 2. The response curve shall not exceed the upper and lower limit curves of the stationary Frequency Response Envelope, within the frequency ranges identified in the appropriate chart (see figure 2)."

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AMENDMENT 2

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Table II: Delete and substitute:

TABLE I. Parameter applicability.

Inspection	Qualification	Group "A"	Group "B"	Group "C"
<u>Group I</u>				
Visual and mechanical inspection	X	X		
Sensitivity at ground level	X	X		
Sensitivity at altitude	X			X
Frequency response at ground level	X	X		
Frequency response at altitude				
Impedance	X	X		
Noise cancellation characteristics				
Effect of external magnetic field				
Stray magnetic field				
Linearity				
Talk-out				
Dielectric withstanding voltage	X			
Signal-to-noise	X		X	
Distortion	X		X	
Interchangeability	X			
<u>Group II</u>				
Thermal shock	X			X
Humidity	X			X
Drop	X			X
Pressure equalization				
Explosive decompression				
Salt fog	X			X
<u>Group III</u>				
Vibration	X			X
Bounce	X			X
Altitude	X			X
Moisture barrier seal				
Immersion	X			X
<u>Group IV</u>				
Fungus	X			
<u>Group V</u>				
Gun blast	X			

CONCLUDING MATERIAL

Custodians:
Army - CR
Navy - EC
Air Force - 11
DLA - CC

Review activities:
Army - AR, AT, AV, CR4
Navy - AS, OS
Air Force - 99

Preparing activity:
DLA - CC
(Project 5965-0351-006)